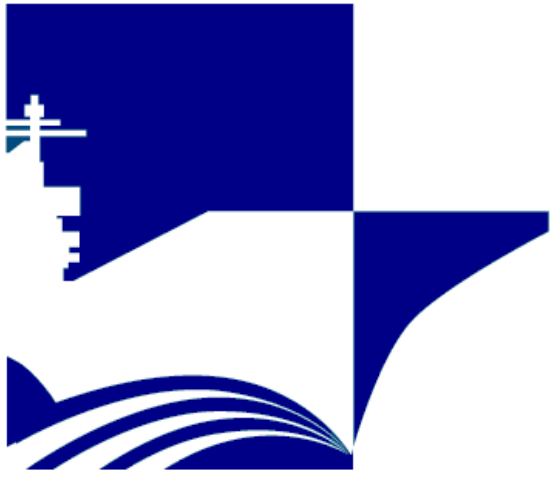
RBA

REVOLUTION IN BUSINESS AFFAIRS



PRESENTATION TO:
DON RIC
27 June 2001

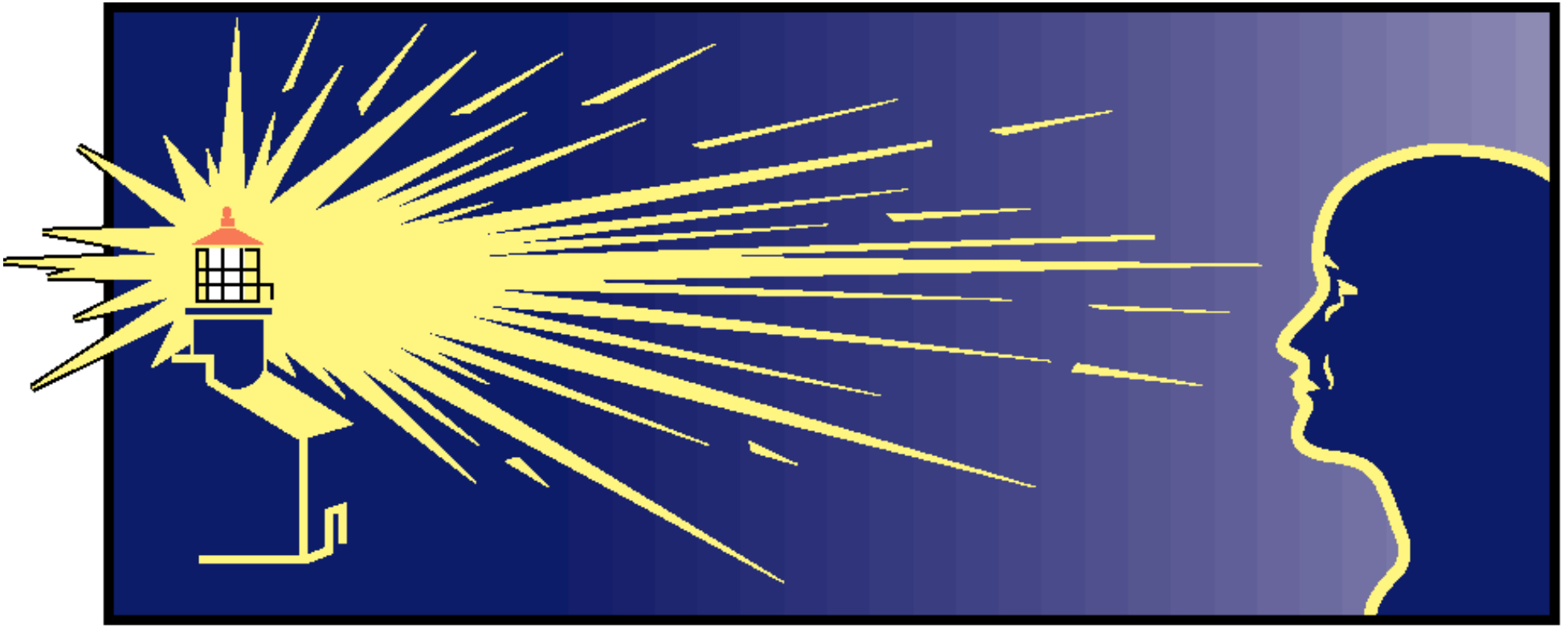
SMART Project Office

NAVY ERP PILOTS

Pilot Core	Sponsor	Explore ERP Business Processes to Improve:	S/W
Program Management (SIGMA)	NAVAIR SAP	Program Management Process to include linkage between contracting and financial systems	
Warfare Center Management NWCF Financial Management (CABRILLO)		SPAWAR SAP Process	
Aviation Supply Chain / Maintenance Management (SMART)	NAVSUP / NAVAIR	Maintenance Planning and Material Ordering Processes (O, I, D level and NAVICP)	SAP
Regional Maintenance (NEMAIS)	NAVSEA / CLF	Regional Maintenance	SAP

- Each pilot is 12 - 18 months
- NAVAIR and NAVSUP / NAVAIR Pilots use E-2 data as “proof of concept”

SPAWAR NAWC NSWC NADEP NAVAUD DFAS



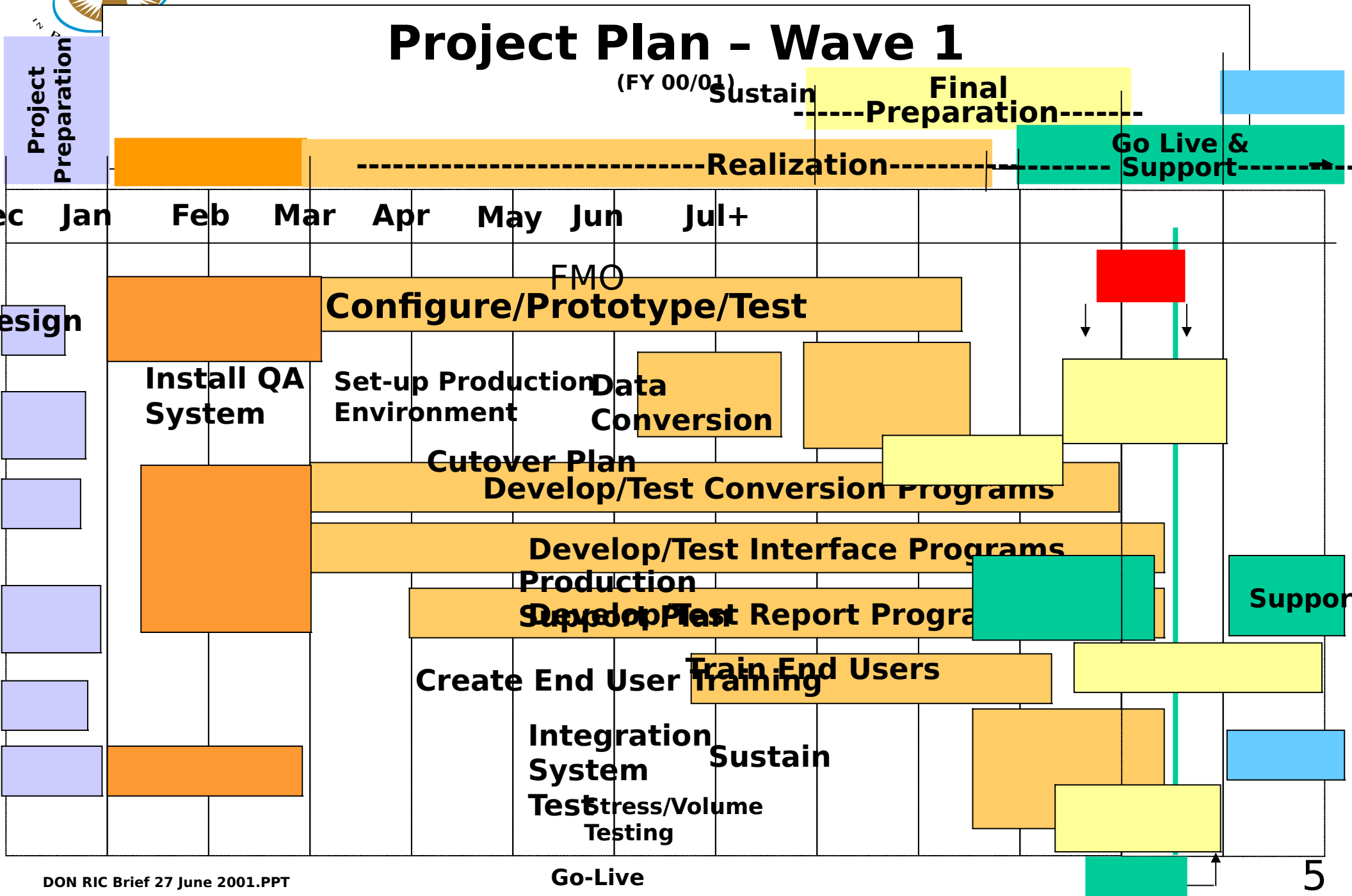
PROJECT CABRILLO

PROJECT DESCRIPTION

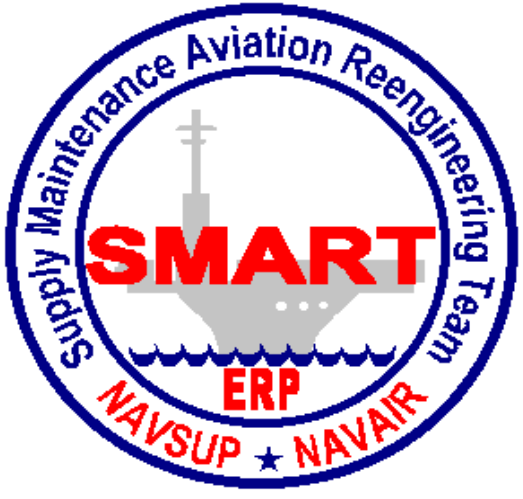
- **Core Business Functional Areas**
  - Financial Management
    - **All financial activities including budgets, funds management, billings, payables, reporting and employee data**
  - Procurement Management
    - **All buying activities for MRO items, from issuing PO, receipt of goods and processing vendor invoices**
  - Asset Management
    - **Includes both real property and improvements. Tracks all assets from acquisition to disposal.**
  - Project / Program Management
    - **Fully integrated project management system that ties together project management tools with finance, budgeting, procurement and asset management data**
  - Strategic Management
    - **Planning and budgeting tool for both annual and long range planning. Will build upon annual budgeting / planning needs to develop a long range orientation for SSC-SD.**

Project Plan – Wave 1

(FY 00/01)



Naval Supply Systems Command
Naval Air Systems Command

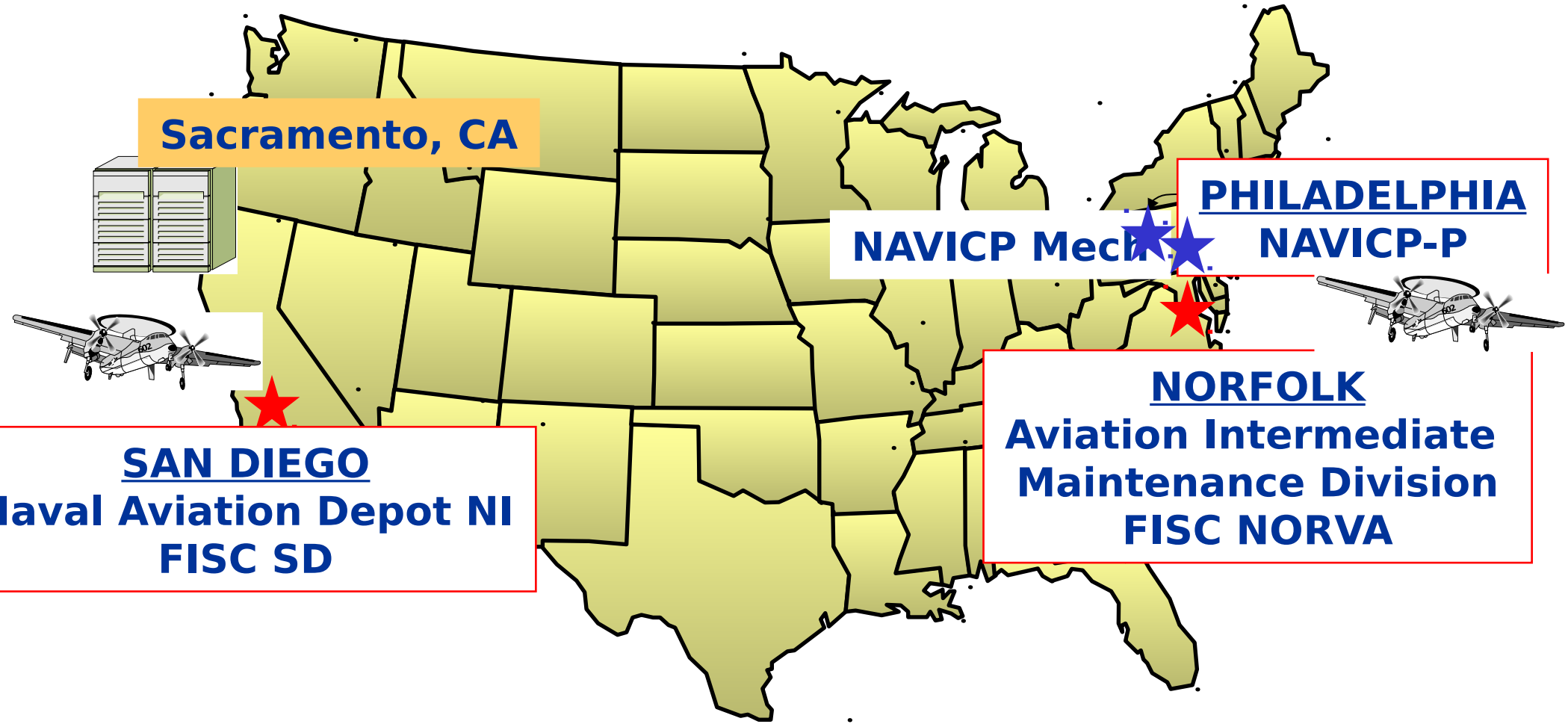


Supply Maintenance Aviation Reengineering Team

SMART OVERVIEW

- **Jointly sponsored by NAVSUP and NAVAIR**
  - Phase I Study. . . Phase II Pilot. . . Phase III Enterprise Roll-out
- **E-2C Hawkeye I-Level maintenance with NALCOMIS OOMA and Depot interfaces**
  - E-2C Airframe, components (not including T-56 engine)
  - Activities. . . VAW-120, AIMD/ASD Norfolk, FISC Norfolk / San Diego, NADEP North Island
- **LM-2500 Gas Turbine Engine (interfaces to D-Level maintenance)**
  - Modules and components
  - Activities. . . NADEP North Island

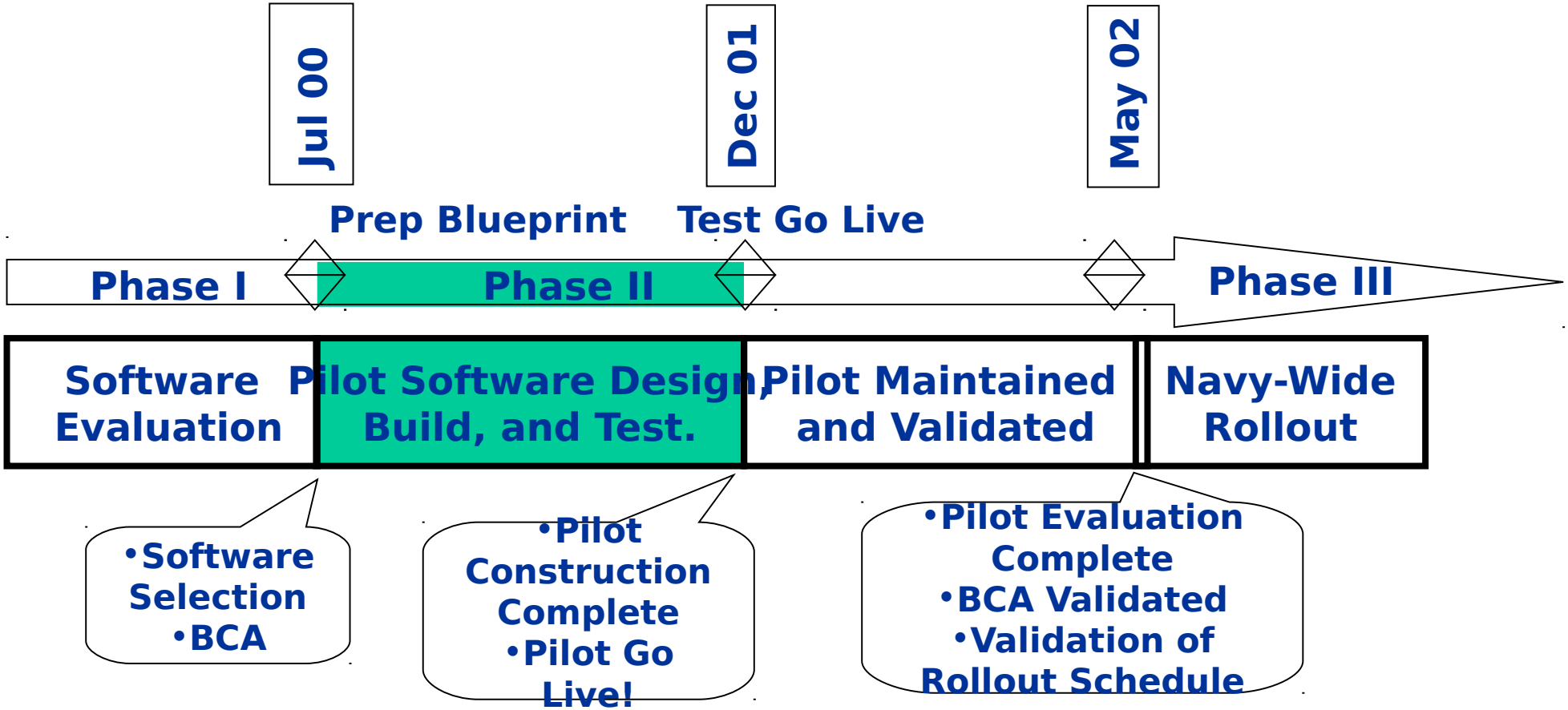
Phase II Location



NAVICP= Naval Inventory Control Point

FISC= Fleet Industrial Support Center

SMART Timeline



NAVAL AVIATION SYSTEMS

Sigma Project

Bringing the NAVAIR TEAM together through ΣRP

NAVAL AVIATION SYSTEMS
Sigma Project
Bringing the NAVAIR TEAM together through ΣRP

PROGRAM MANAGEMENT SUMMARY

- **Program Management Functional requirements:**
  - Planning and Scheduling
  - Financial Management
  - Human Resource Management
  - Configuration Management / Asset Tracking
  - Limited Procurement
- **NAVAIR business processes will be reengineered within the bounds of SAP's best commercial practices**
- **Best practices, not current practices, will be implemented**
- **The SAP software will be implemented with no**

SIGMA DEPLOYMENT SCHEDULE

PILOT

- PLAN & CONFIGURE
- ICER DEVELOPMENT
- INTEGRATION TESTING

System Demo
Proof of Concept

- Genl Fund Financial Mgmt
- Project Mgmt
- Partial WCF Financial Mgmt
- Partial Config Mgmt
- MILSTRIP
- Document Mgmt
- Activity Based Costing
- Human Resource Mgmt

VER 1.0

- PLAN & CONFIGURE
- ICER DEVELOPMENT
- INTEGRATION TESTING
- AUDIT
- "GO LIVE"

HQ NI
CP WD TSD
AD JAX

ABC

HQ NI

- Remaining Genl Fund Financial Mgmt
- Remaining WCF Financial Mgmt
- Rate Architecture
- Reporting Server
- Remaining HR: Time Mgmt Workflow, TAA Process, Mgr's Desktop, added ESS, Career Plng, Task Catalog, Mil Pers
- Remaining PS: Internal Proj, Work Ctr Hierarchies, Workforce Planning
- Remaining EVM
- Document Repository: LOA, PO, Budg Exhibit, Funding Doc
- Capture CLIN/SLIN/SPIN/ACRN on Purchase Requisition

VER 1.1

- PLAN & CONFIGURE
- ICER DEVELOPMENT
- CM "GO LIVE" - SIGMA / SMART

CONFIG. MGMT "GO LIVE"
SIGMA / SMART

- Remaining Config Mgmt
- Maintenance Plan Mgmt

VER 2.0

- PROCUREMENT CONOPS
- PLAN & CONFIGURE
- ICER DEVELOPMENT
- INTEGRATION TESTING
- "GO LIVE"

HQ NI
CP WD TSD
AD JAX

CP WD TSD
AD JAX

ABC

- Procurement
- Inventory Mgmt
- Shore Station Mgmt
- Range Mgmt
- Manufacturing @ LKE

VER 3.0

- PLAN & CONFIGURE
- ICER DEVELOPMENT
- INTEGRATION TESTING
- "GO LIVE"

- MRO Maint, Repair, Overhaul
- Remaining Integrated Logistics Supt:Tech Data, Provisioning, Supt Equip
- Total Ownership Cost
- Fleet Relationship Mgmt: Internet- enabled Customer Service, Product & Service Info, Problem / Resolution Mgmt
- Supply Chain Collaboration

NI
JAX
CP

ABC Update

CCB Approved 5/14/01 (see Scope Document for Detailed Functionality)

Initial Planning

Requirements

Customers

Completed work

Configuration Management

Field Bills PMA

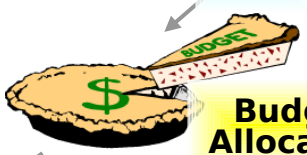
Field Executes Work

Budget Exhibits

$$$

Budget Planning Info

Budget Formulation



Budget Allocation

Funding Documents

Field Purchase From Vendor

PMA Execution

PMA Buys Svcs From Field

PMA Buys Weapons System

PMA Purchase From Vendor

Field Does MILSTRIP Purchase

Fixed Asset Received

Field Does Fixed Asset Accounting

Asset Lifecycle Tracked

Baseline Allowable Configuration

PMA Approve

ECP Kits Ready to Install

Minor Equipment Received

New Technical Directive

All Transactions

Monthly Close

Reports

HQ/PMA/EOB

WCF Field Activity

Common Support

Organizational Management

Person Gained

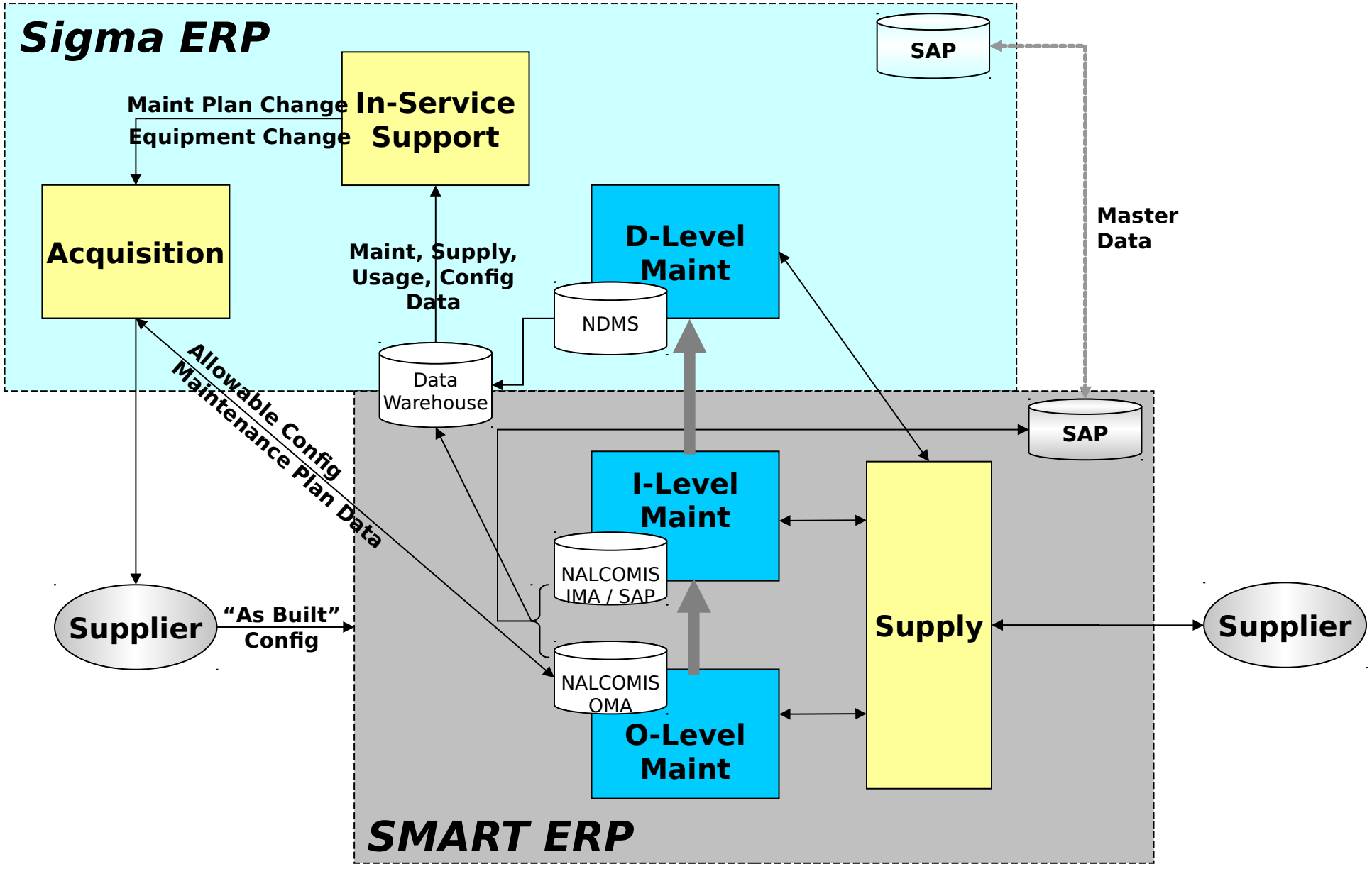
Training and Assignment

Person Trained & Assigned

Performance Management

Person Evaluated & Rewarded

NAVAL AVIATION CONFIG & MAINT MANAGEMENT



SUMMARY DESCRIPTION: CONFIGURATION MANAGEMENT

Completed work

Configuration Management

Field Executes Work

STEP 1 View Baseline Allowable Configuration

STEP 2 View Location Status

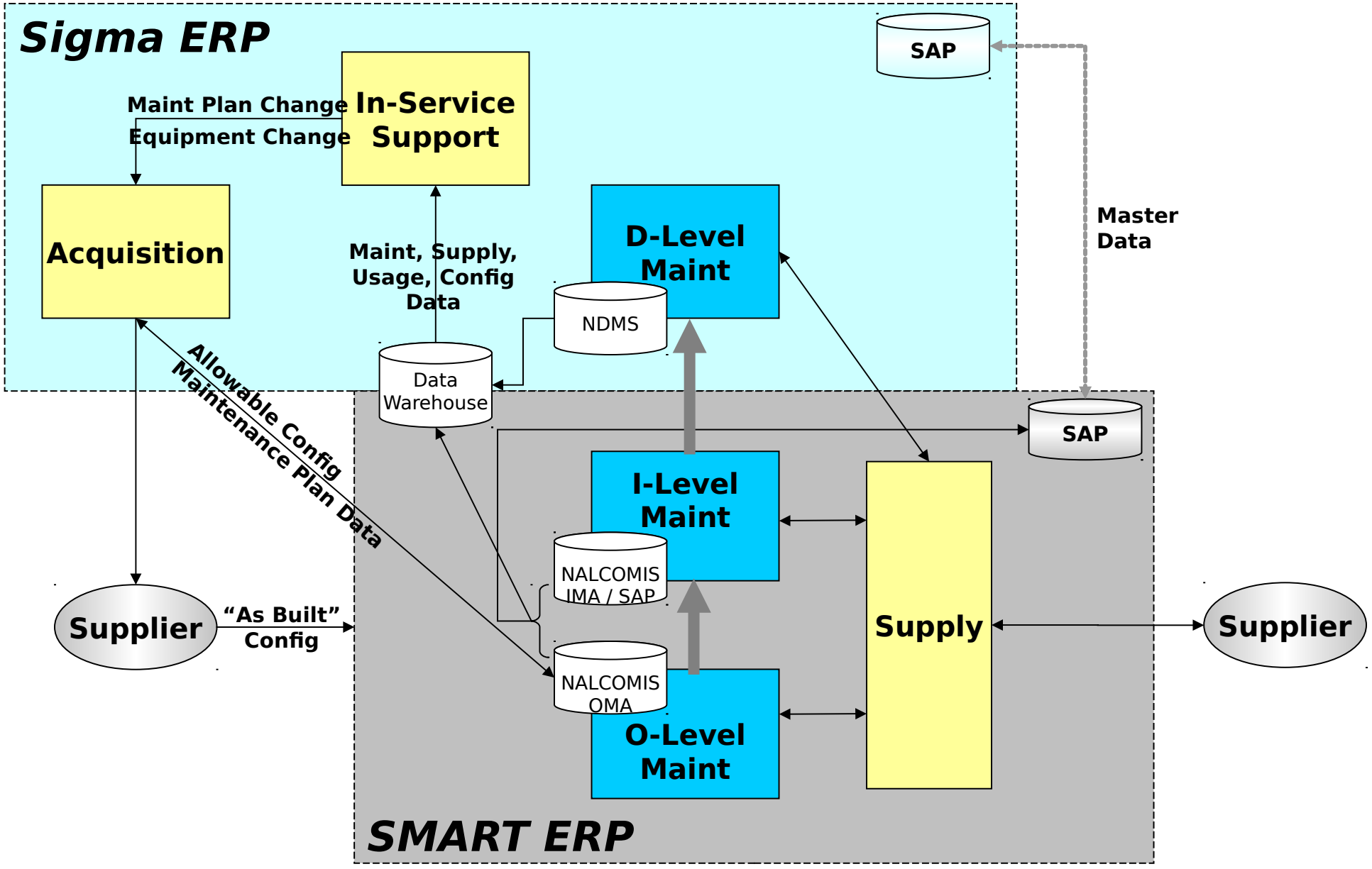
STEP 3 View TDs / AFCs per BUNO

STEP 4 View BUNO Usage Data

STEP 5 Change Allowable BOM

STEP 6 Show Task List

NAVAL AVIATION CONFIG & MAINT MANAGEMENT

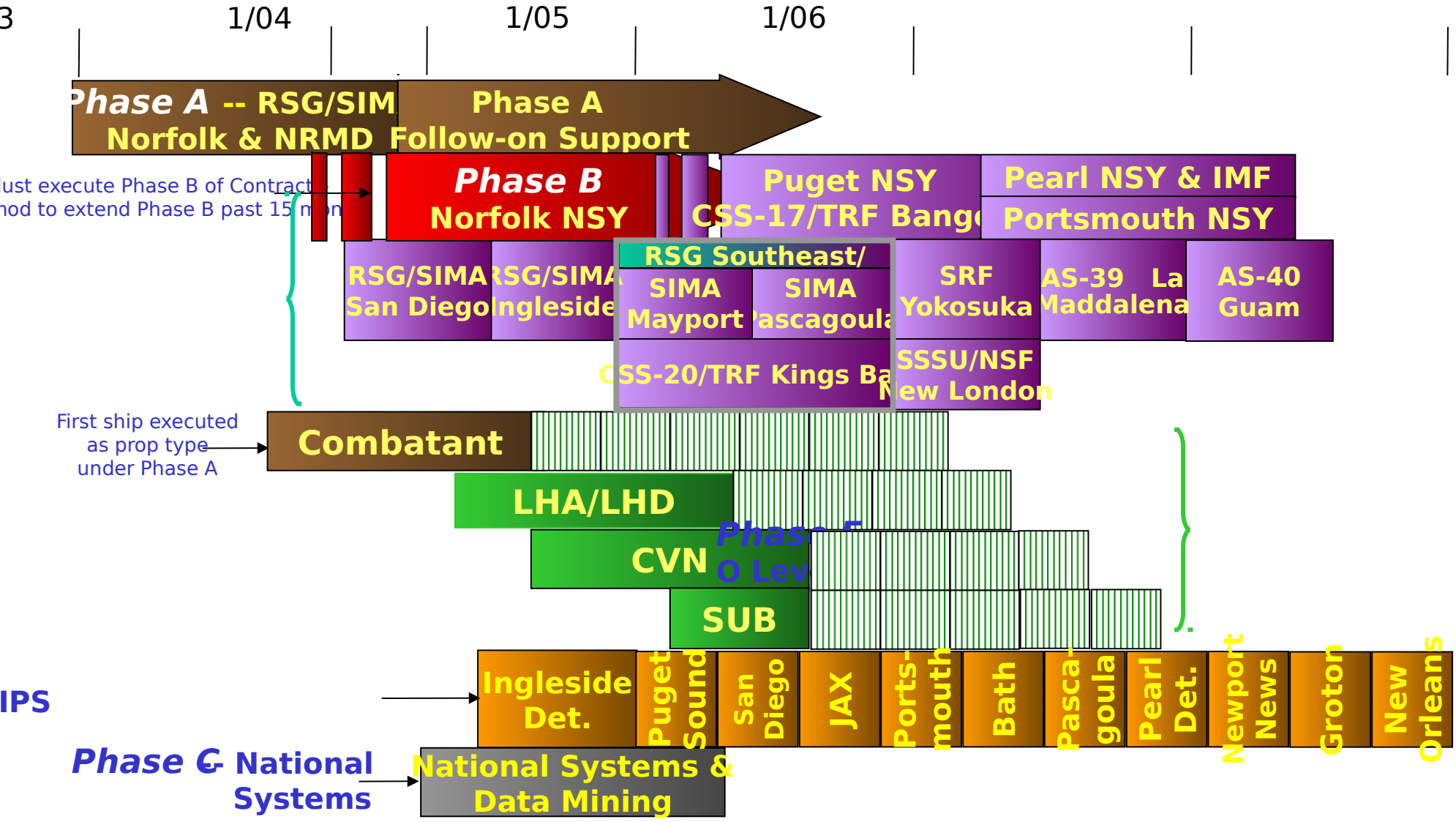


Regional Maintenance ERP

(NEMAIS)

A Joint Fleet – NAVSEA Initiative

Schedule: Notional Deployment



ON-GOING EFFORTS

- **Master Data Meeting - 28 June @ WLO 1000**
- **IWAR (N814) Assessments underway; Visits scheduled as follows:**
  - **Cabrillo 20 June San Diego, CA** ✔ Complete
  - **Sigma 17 July Pax River, MD**
  - **SMART 18 July Mechanicsburg, PA**
  - **NEMAIS 20 July Norfolk, VA**
- **Configuration Management in SAP**
- **Cooperating with German MoD - Deployable Instance**
- **CNA ERP REPORT ISSUED - Feb 2001**
- **PBD 818 - Funding for DFAS Financial System**

ICB Members

Ms. Iona Evans
ERP Corporate Executive
Naval Sea Systems Command

Mr. Mike Petz
Program Manager - NETS
Naval Sea Systems Command

Mr. Dennis Distler
Enterprise Solutions Program Office (ESPO) Executive Director
Naval Air Systems Command

Mr. Kevin Fitzpatrick
Co-Program Manager - SMART
Naval Supply Systems Command

Mr. Edward Chermansky (Acting)
Co-Program Manager - SMART
Naval Air Systems Command

Mr. Rick Pierson
Program Manager - CABRILLO
SPAWAR Systems Center - San Diego

ICB Staff

Mr. Greg Huntington
ESPO - SIGMA
Naval Air Systems Command

Mr. Stan Beiter
SMART
Naval Supply Systems Command

Mr. Dave Noble
ERP Corporate Office
Naval Sea Systems Command

Ms. Gale Pennoyer
CABRILLO
SPAWAR Systems Center - San Diego

Integration and Coordination Board (ICB)

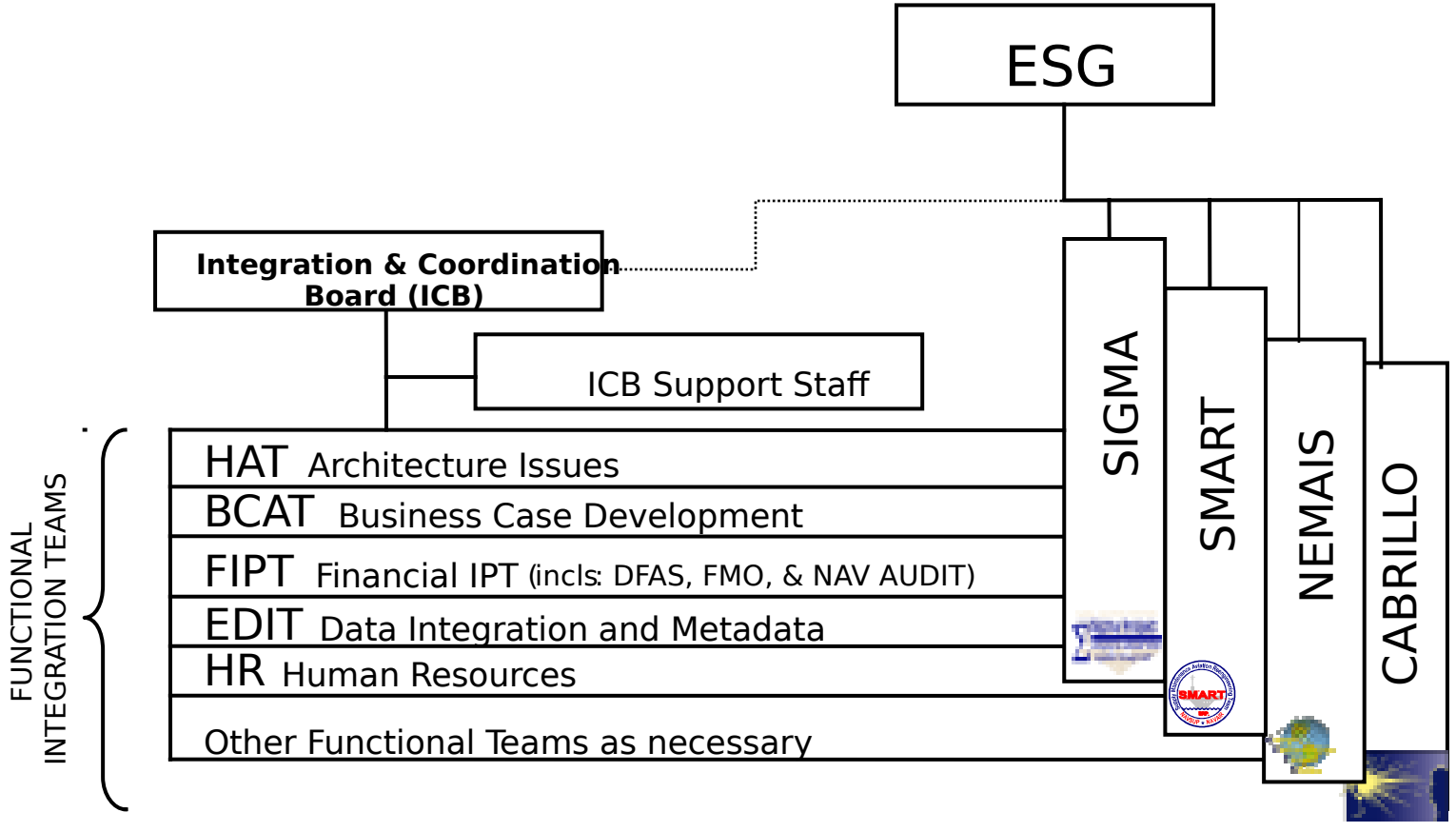
NAVAL AVIATION SYSTEMS
Sigma Project
Bringing the NAVAIR TEAM together through ΣRP

Supply Maintenance Aviation Reengineering Team
SMART
ERP
NAVSUP ★ NAVAIR

Navy Enterprise Team Ships

PROJECT CABRILLO

ICB INTEGRATION TEAM STRUCTURE



ICB Direct Support (Item 1.0)

ICB Direct Support (items 1.1 - 1.5):

- Coordinate with ESG Secretariat
- Coordinate Strategic Planning
- Oversee Technical Advisory Services
- Coordinate User Groups
- Perform governance (sub-teams, contractors, tracking issues, etc.)

Sr Tech Advisory Svcs (Item 2.0)

Advisory Services:

- Engage industry expert(s) to assist in identifying ERP environment data commonality, configuration management, and security requirements.
  - Provides immediate assistance to on-going teams.
  - First efforts will focus on weapon system asset CM and master data coordination requirements.

Technical Studies:

- Navy ERP Interoperability Project.
  - Concept involves developing a Business Proces
    Architecture that projects can reference to
    achieve interoperability requirements.

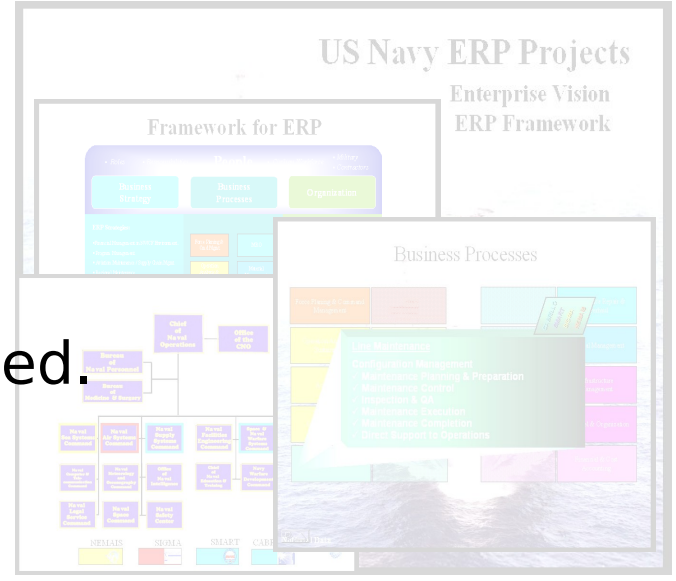
Navy ERP Model (Item 3.0)

Maintain the Navy ERP Model (item 3.10):

- 1st generation Navy ERP Model needs to be completed.
- Update DEIG solution map during next workshop - June 01.

Vision framework (item 3.20):

- Vision Presentation for July ESG.
  - ✔ Projects business processes needed.
  - ✔ Projects deployments needed.
- Next step … business strategies, people & security.



Note: 1 – Funded by NAVSEA Corporate ERP.

Contractor Support for Teams (Item 4.0)

- Contractor Support for ICB & teams:
  - ICB & EDIT support through NAVAIR BPA.
  - HAT/Security… investigating using SPAWAR at WNY.
  - FIPT (Note: already funded through 31 Dec 01)

G&A Support / Other (Items 5.0 & 6.0)

Item (5.0):

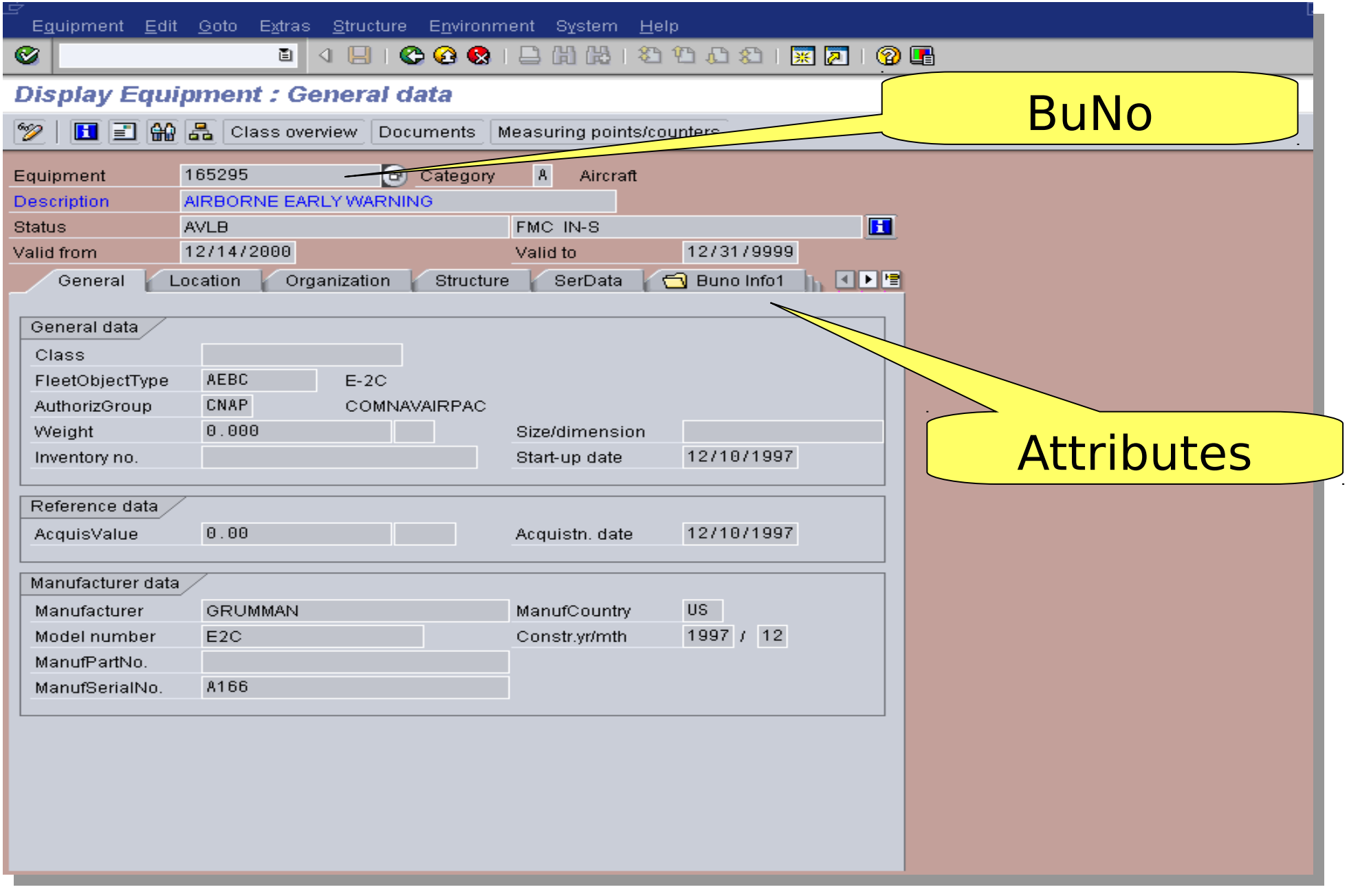
- Consolidating ESG and FIPT websites into ICB's: *www.erp.navy.mil*

Item (6.0):

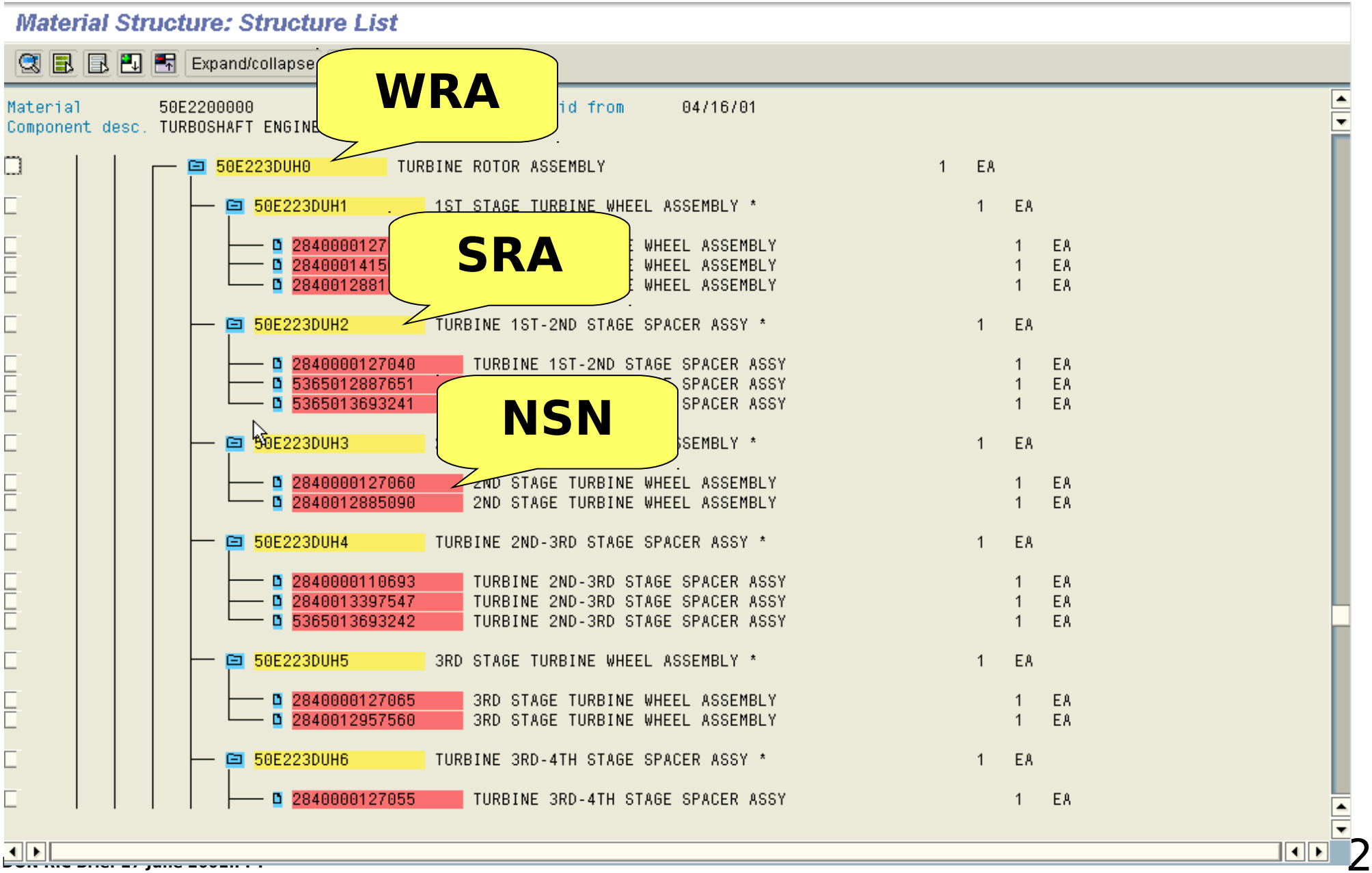
- Funding DFAS Legacy system analysis ($136k annually)
  Remainder 2001 calendar year - $68k.
  Note: SOW & estimated travel expenses have been requested.

Note: 2 - Does not include Website funded by NAVSEA Corporate ERP.

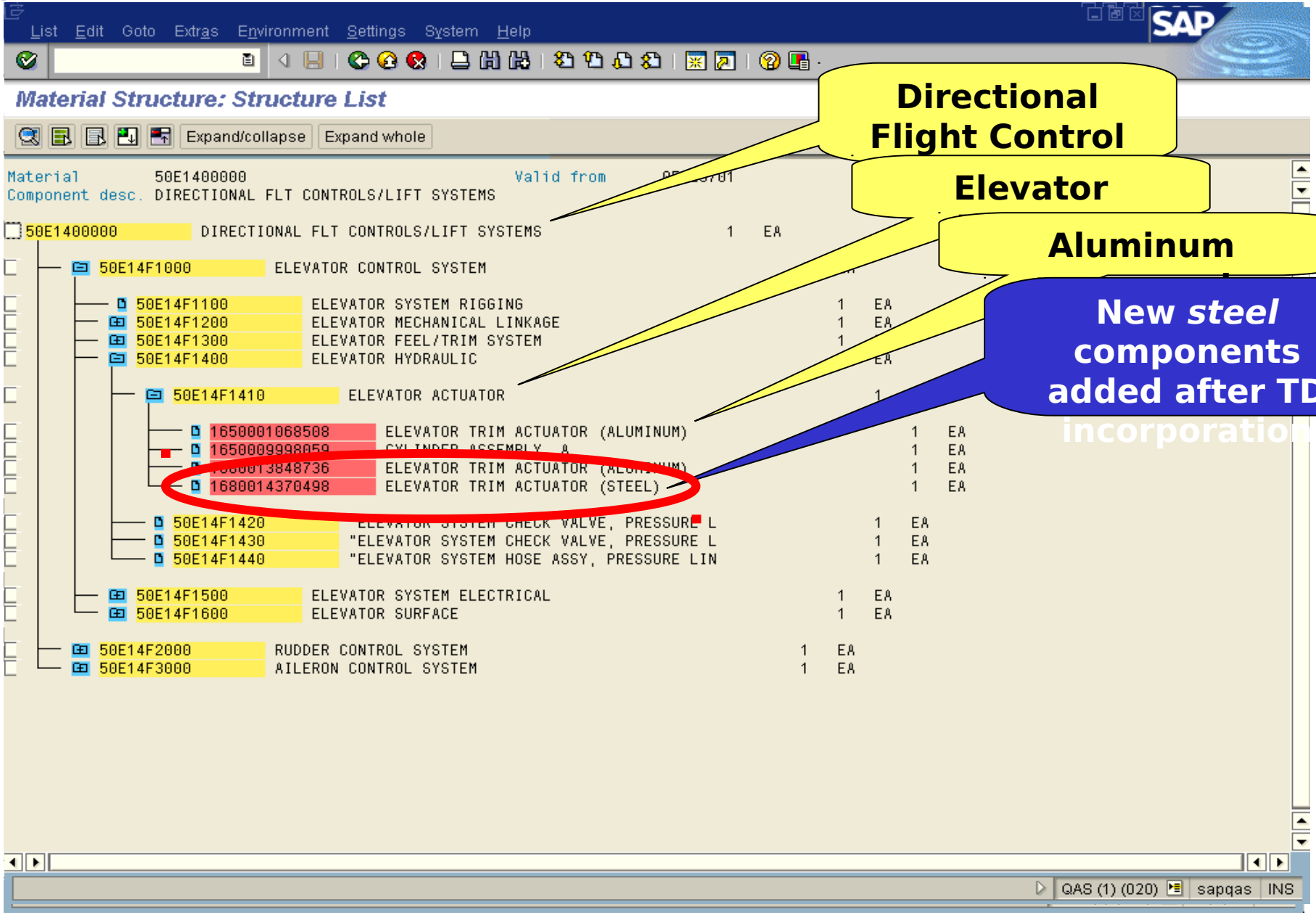
EQUIPMENT MASTER

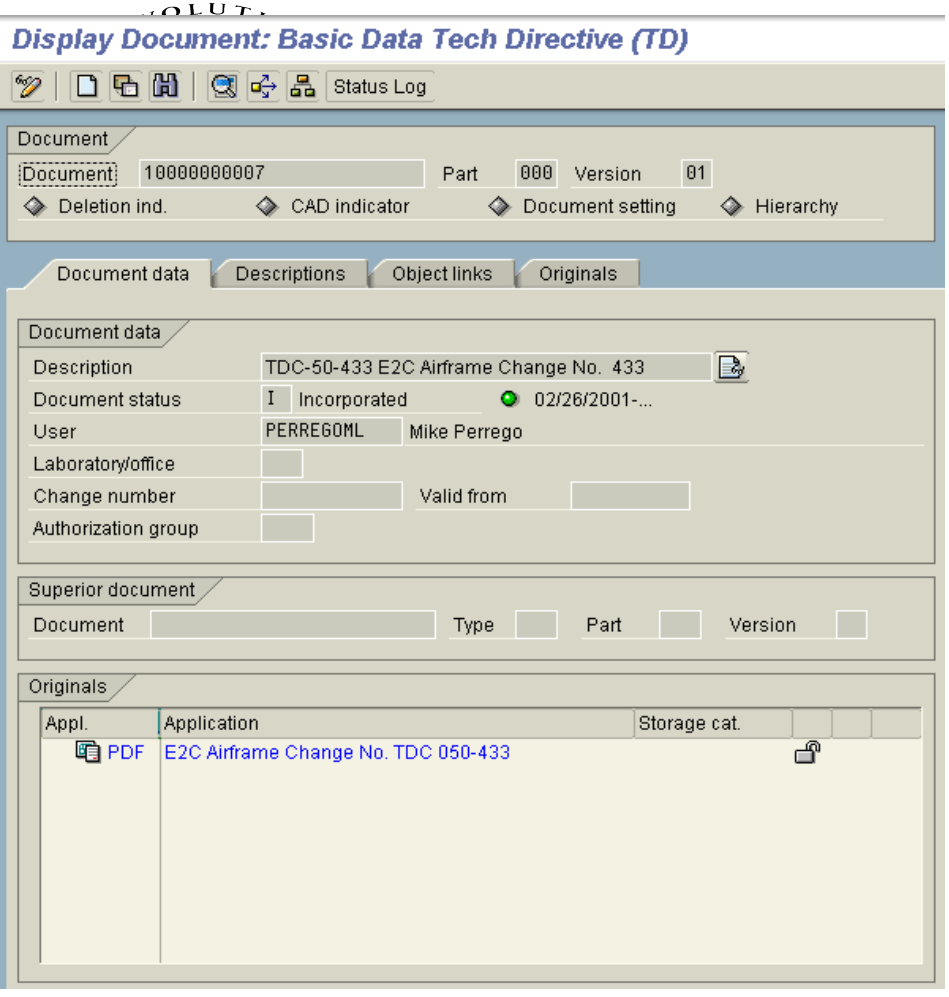


ALLOWABLE CONFIGURATION



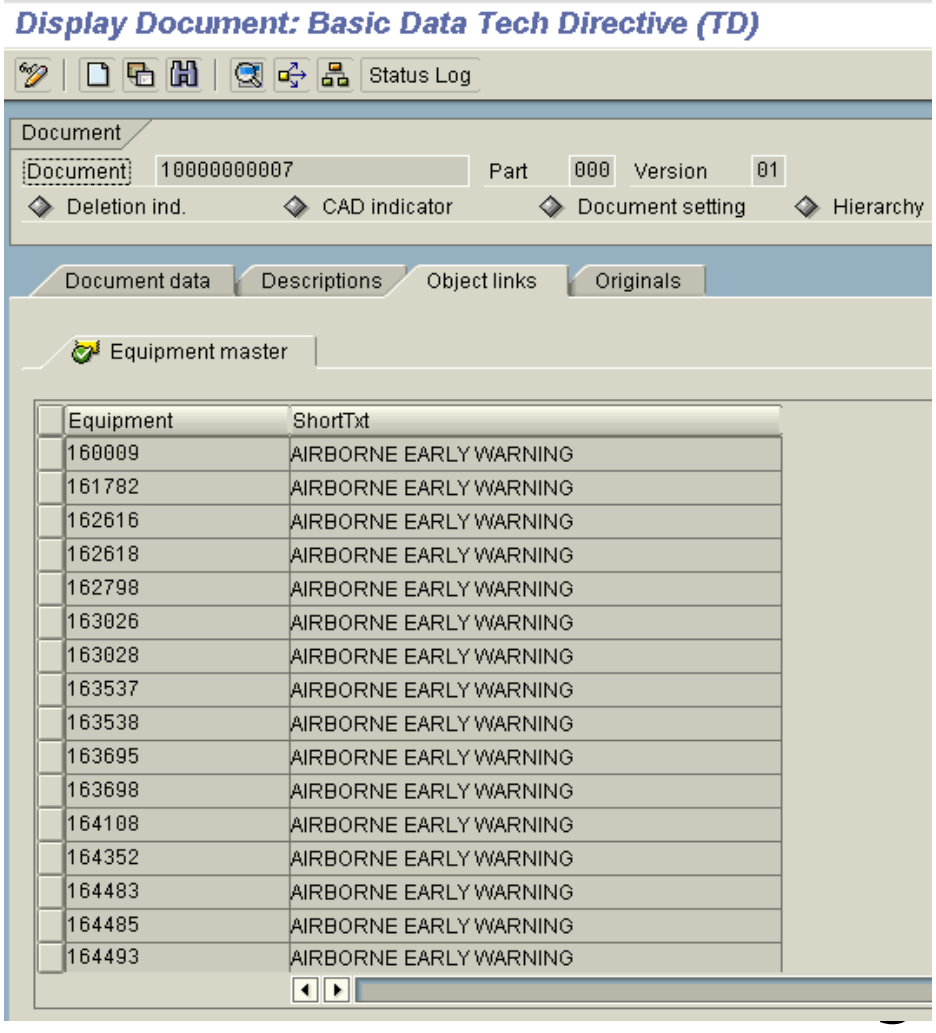
ALLOWABLE CONFIGURATION



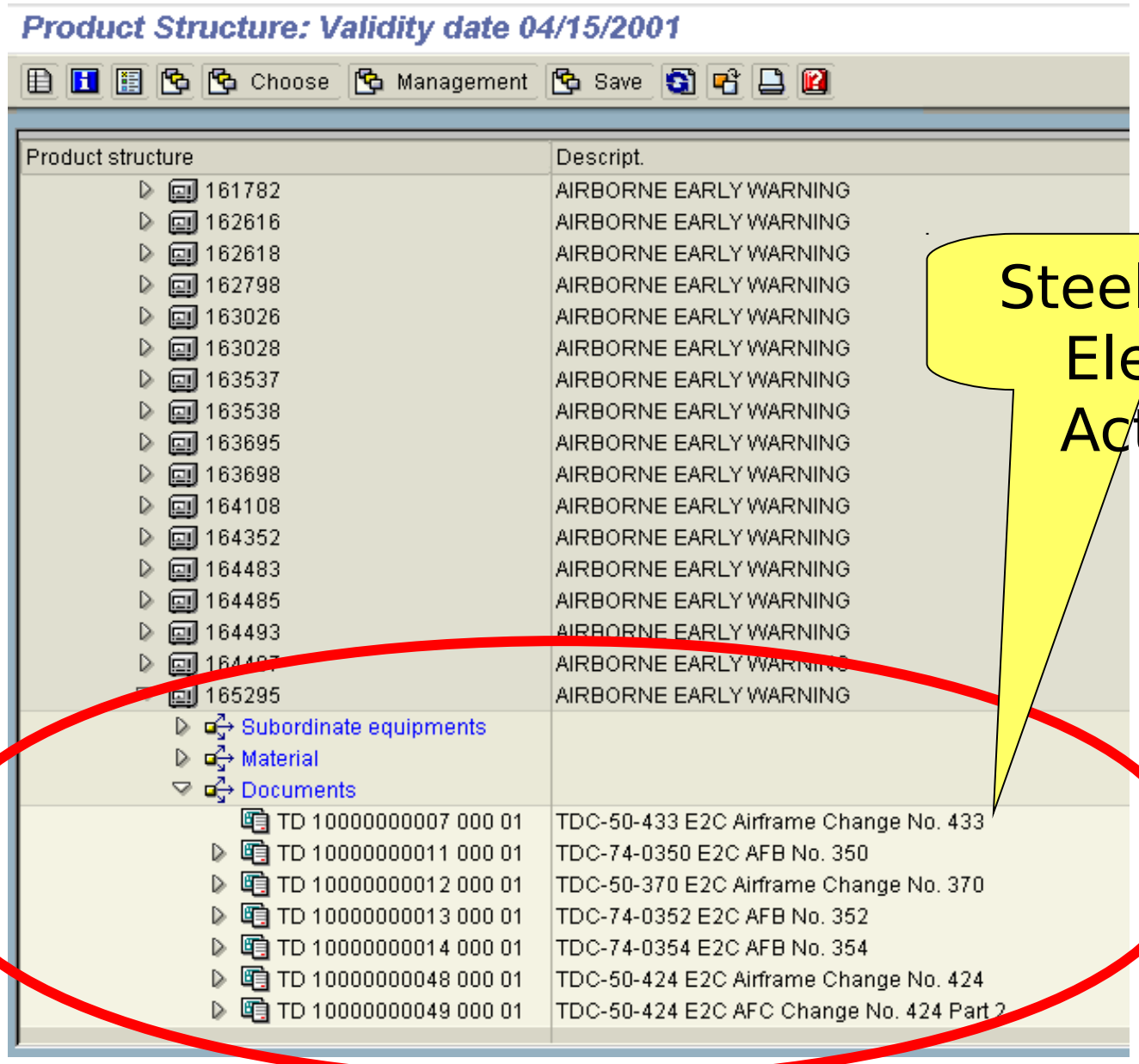


Airframe Change #433

Aircraft Incorporated On

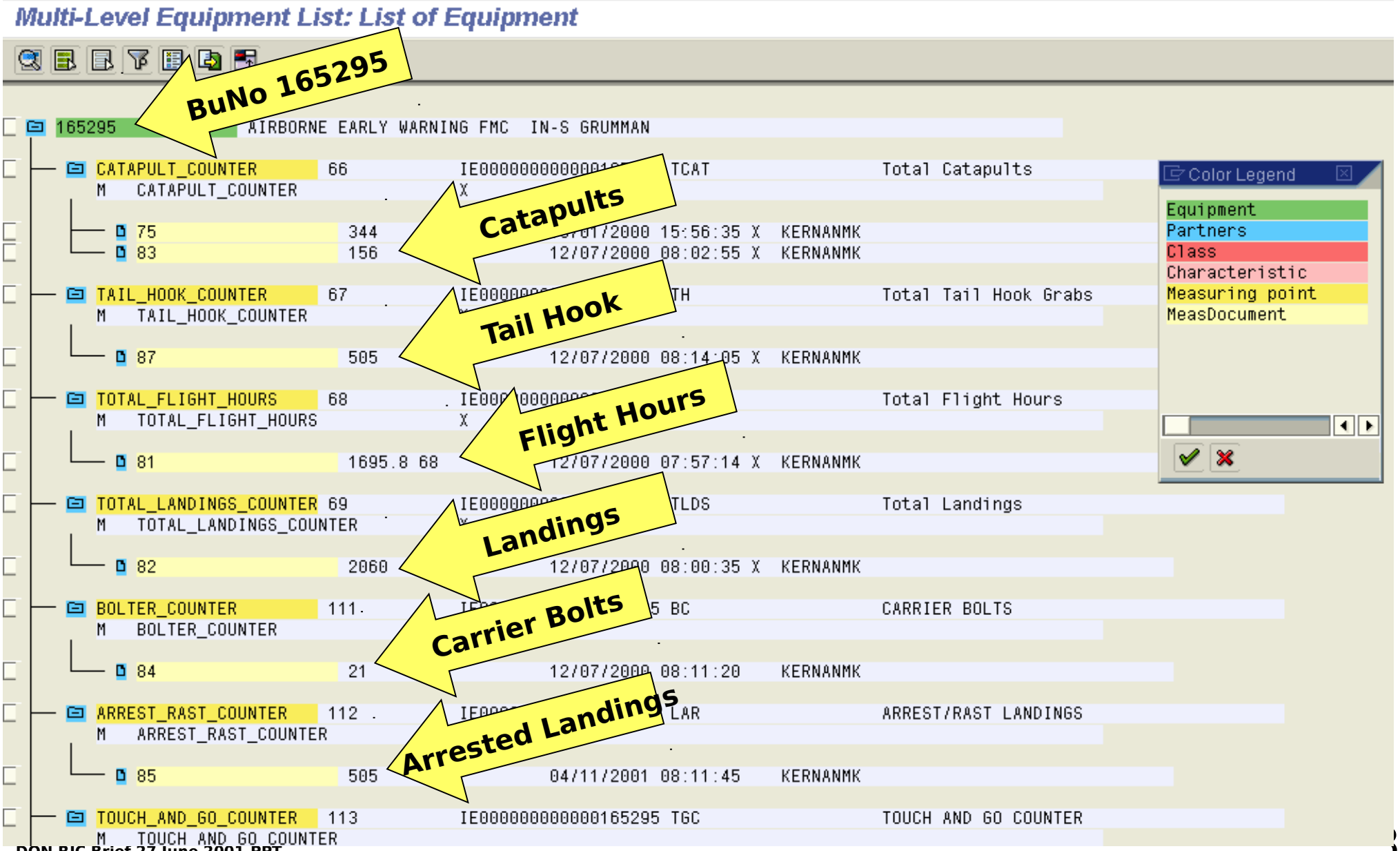


TD's ON BuNo 165295

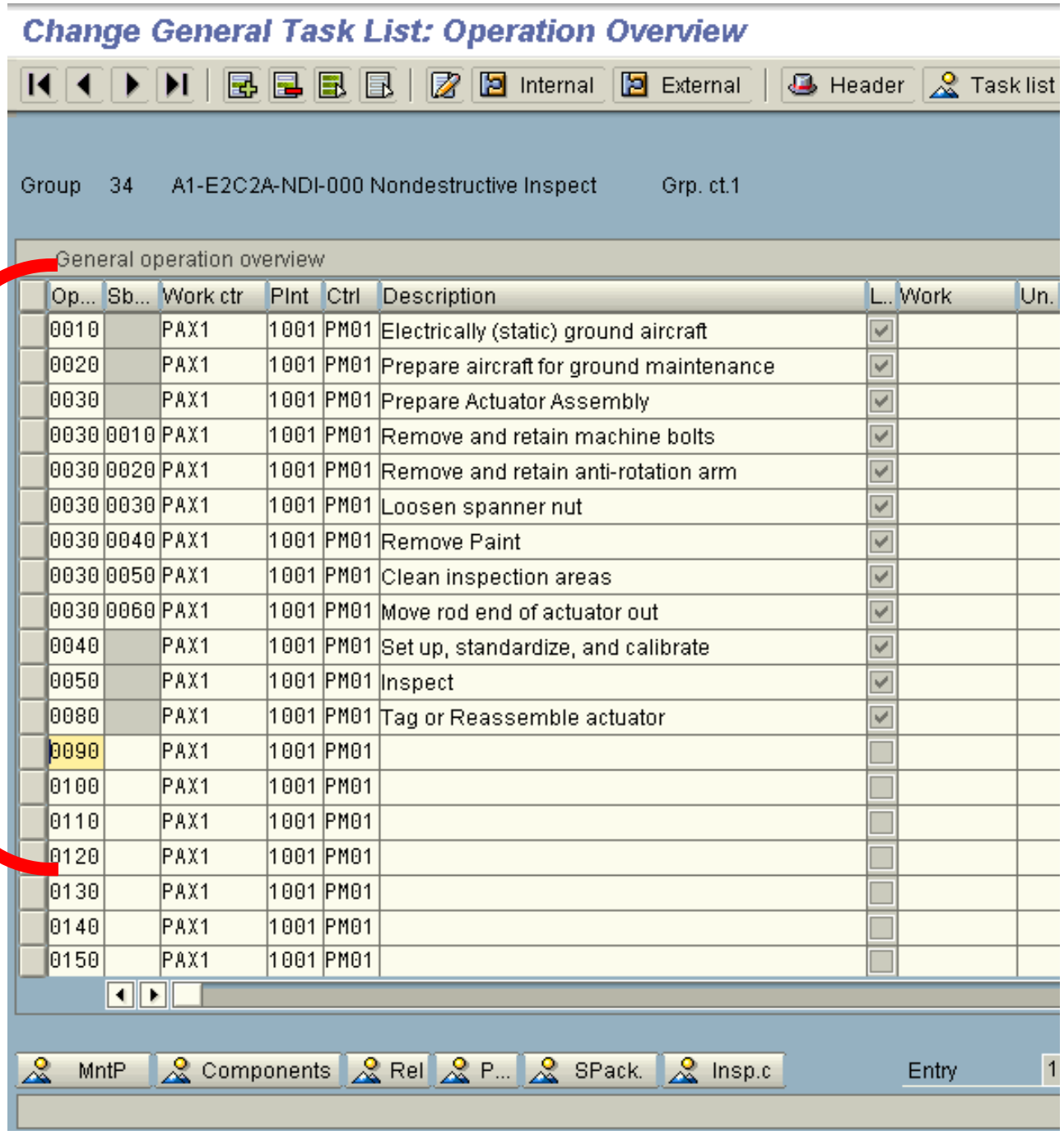


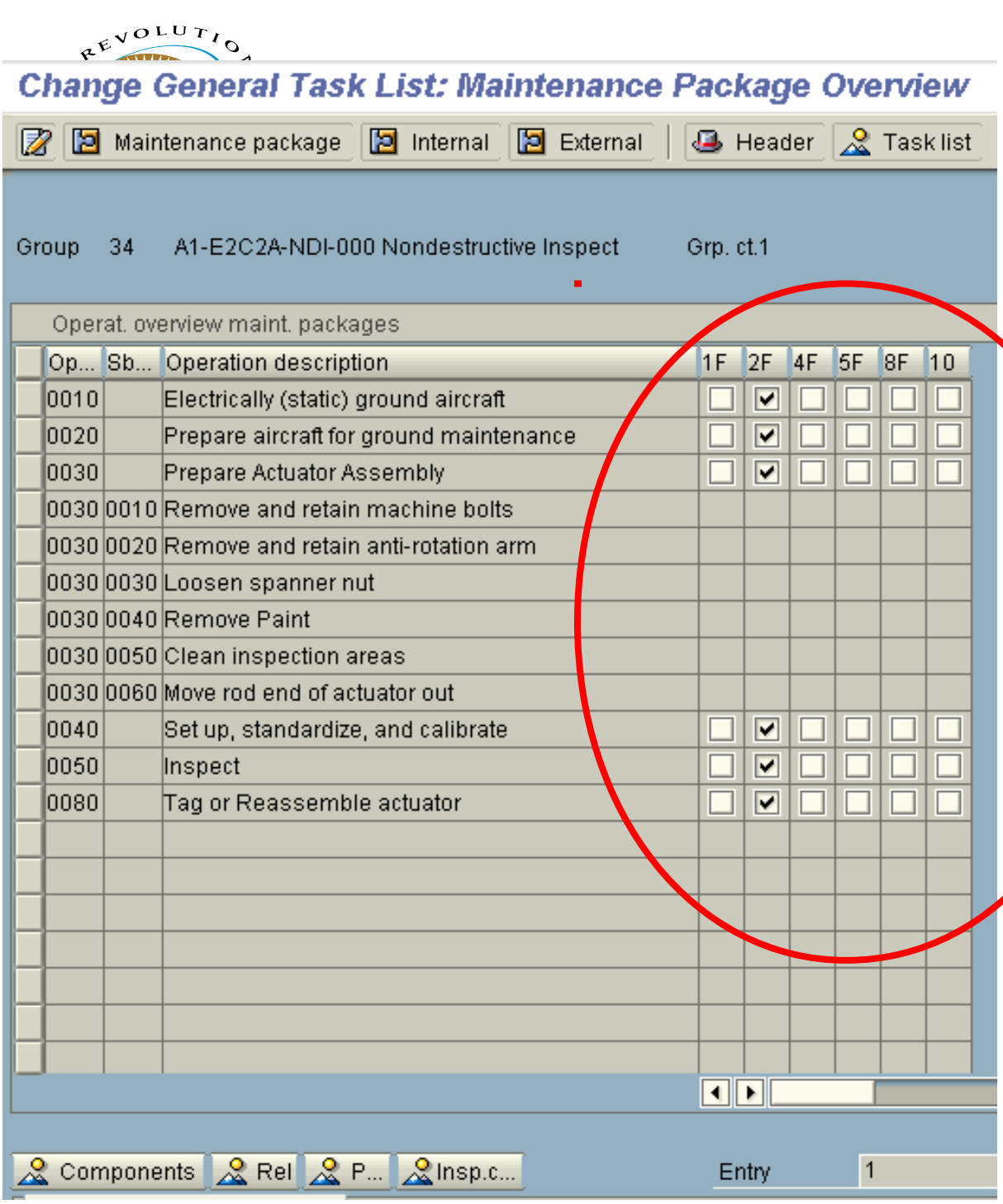
Steel Bodied Elevator Actuator

AIRCRAFT USAGE DATA



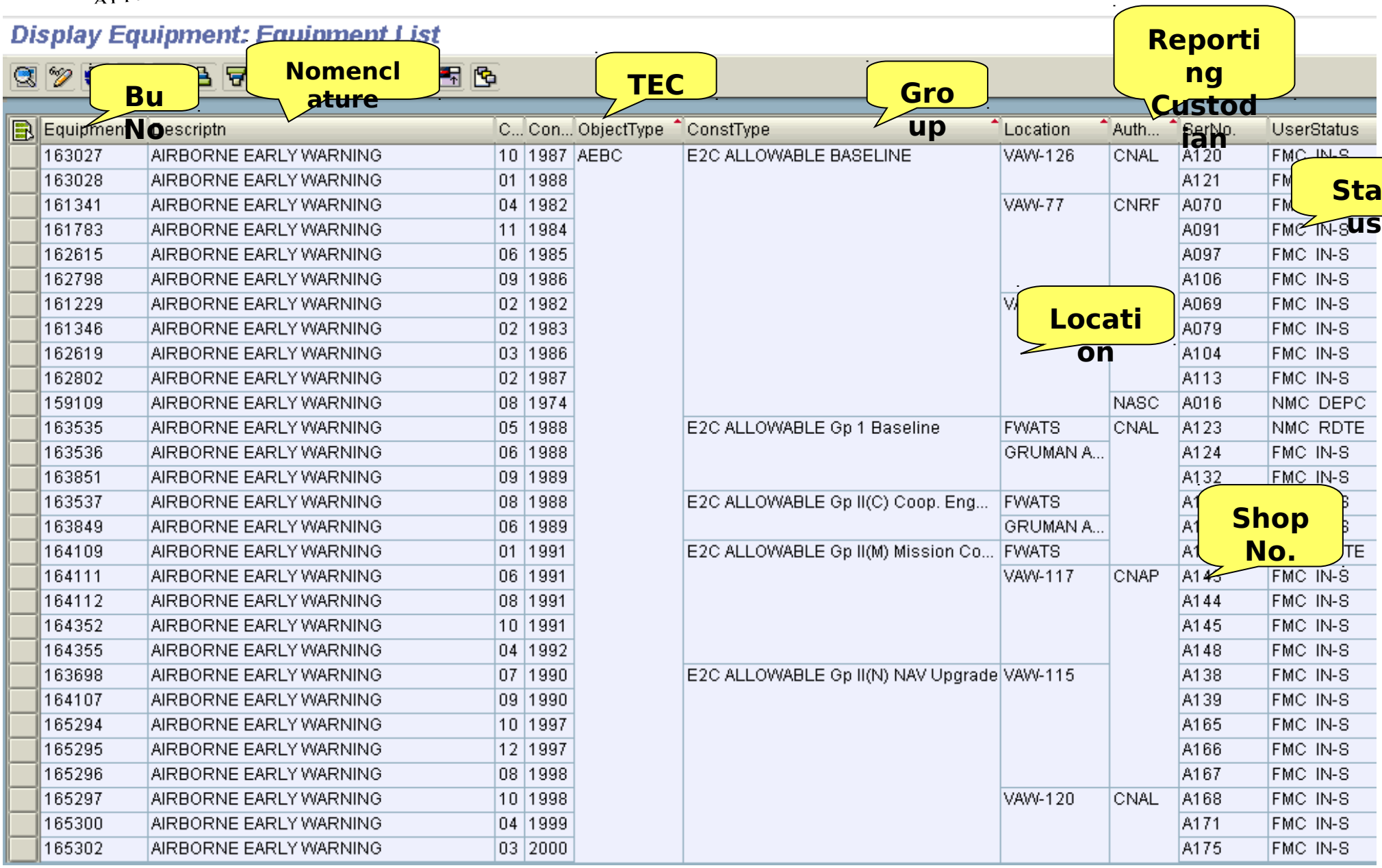
Maintenance Steps





Maintenance Frequency

EQUIPMENT MASTER



Equipment	Descriptn	C...	Con...	ObjectType	ConstType	Location	Auth...	SerNo.	UserStatus
163027	AIRBORNE EARLY WARNING	10	1987	AEBC	E2C ALLOWABLE BASELINE	VAW-126	CNAL	A120	FMC IN-S
163028	AIRBORNE EARLY WARNING	01	1988					A121	FM
161341	AIRBORNE EARLY WARNING	04	1982			VAW-77	CNRF	A070	FM
161783	AIRBORNE EARLY WARNING	11	1984					A091	FMC IN-S
162615	AIRBORNE EARLY WARNING	06	1985					A097	FMC IN-S
162798	AIRBORNE EARLY WARNING	09	1986					A106	FMC IN-S
161229	AIRBORNE EARLY WARNING	02	1982			V		A069	FMC IN-S
161346	AIRBORNE EARLY WARNING	02	1983					A079	FMC IN-S
162619	AIRBORNE EARLY WARNING	03	1986					A104	FMC IN-S
162802	AIRBORNE EARLY WARNING	02	1987					A113	FMC IN-S
159109	AIRBORNE EARLY WARNING	08	1974				NASC	A016	NMC DEPC
163535	AIRBORNE EARLY WARNING	05	1988		E2C ALLOWABLE Gp 1 Baseline	FWATS	CNAL	A123	NMC RDTE
163536	AIRBORNE EARLY WARNING	06	1988			GRUMAN A...		A124	FMC IN-S
163851	AIRBORNE EARLY WARNING	09	1989					A132	FMC IN-S
163537	AIRBORNE EARLY WARNING	08	1988		E2C ALLOWABLE Gp II(C) Coop. Eng...	FWATS		A1	S
163849	AIRBORNE EARLY WARNING	06	1989			GRUMAN A...		A1	S
164109	AIRBORNE EARLY WARNING	01	1991		E2C ALLOWABLE Gp II(M) Mission Co...	FWATS		A1	TE
164111	AIRBORNE EARLY WARNING	06	1991			VAW-117	CNAP	A143	FMC IN-S
164112	AIRBORNE EARLY WARNING	08	1991					A144	FMC IN-S
164352	AIRBORNE EARLY WARNING	10	1991					A145	FMC IN-S
164355	AIRBORNE EARLY WARNING	04	1992					A148	FMC IN-S
163698	AIRBORNE EARLY WARNING	07	1990		E2C ALLOWABLE Gp II(N) NAV Upgrade	VAW-115		A138	FMC IN-S
164107	AIRBORNE EARLY WARNING	09	1990					A139	FMC IN-S
165294	AIRBORNE EARLY WARNING	10	1997					A165	FMC IN-S
165295	AIRBORNE EARLY WARNING	12	1997					A166	FMC IN-S
165296	AIRBORNE EARLY WARNING	08	1998					A167	FMC IN-S
165297	AIRBORNE EARLY WARNING	10	1998			VAW-120	CNAL	A168	FMC IN-S
165300	AIRBORNE EARLY WARNING	04	1999					A171	FMC IN-S
165302	AIRBORNE EARLY WARNING	03	2000					A175	FMC IN-S